

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listing, of claims in the application:

Listing of Claims:

1. **(Currently Amended)** In a computer system having an operating system platform, a

2 user interface framework system for rendering data according to a visual style defined for the
data type, the system comprising:

4 a plurality of objects, wherein the plurality of objects have one or more data fields;

5 a style definition module for holding one or more visual style definitions to be selectively

6 applied to the one or plurality of objects;

7 a style lookup module for locating an associated visual style definition;

8 a binding module for binding the one or more of the plurality of data fields to one of the a
properties of the appropriate visual style definition;

10 a tree assembler module for generating a visual representation of the data based on the
appropriate visual style definition; and

12 a rendering engine for displaying the data using the bound visual style definition;

13 a layout engine for providing additional user interface elements; and

14 a user interface element factory for adding the additional user interface elements to the
data.

2. **(Cancelled)**

3. **(Original)** A system as defined in claim 1 wherein the objects are independent from

2 the visual styles.

4. **(Original)** A system as defined in claim 1 wherein the tree assembler module builds a

2 visual tree to represent the visual elements of the display.

5. **(Original)** A system as defined in claim 1 wherein the plurality of objects are

2 displayed as a list.

6. **(Original)** A system as defined in claim 1 wherein the plurality of objects are

2 displayed as a menu.

7. **(Original)** A system as defined in claim 1 wherein the plurality of objects are
2 displayed as a combo box.

8. **(Original)** A system as defined in claim 1 wherein the objects form a group, and
2 wherein the system further comprises a group visual style definition and wherein the tree
4 assembler module generates the visual representation based on the group visual style, the group
visual style being independently defined from the data items.

9. **(Currently Amended)** A method of displaying one or more data items according to
2 an appropriate visual style comprising:

receiving a request to display one or more data items;

4 locating the appropriate visual style, wherein the appropriate visual style is independently
defined from the one or more data items;

6 generating a visual tree using the one or more data items and the appropriate visual style;
binding properties in the visual tree to properties of the one or more data items; and
8 rendering the display based on the visual tree;

detecting a change dynamically in a relevant data item;

10 invalidating the visual tree;

recognizing the invalidation of the visual tree; and

12 in response to recognizing the invalidation of the visual tree, regenerating the necessary
portions of the visual tree; and

14 re-rendering the display based on the regenerated visual tree.

10. **(Original)** A method as defined in claim 9 further comprising declaring the data
2 items using data objects.

11. **(Original)** A method as defined in claim 9 further comprising:

2 automatically updating the visual tree in response to a change to a relevant data item..

12. **(Original)** A method as defined in claim 11 wherein the change to a relevant data
2 item involves the addition of a relevant data item.

13. **(Original)** A method as defined in claim 11 wherein the change to a relevant data
2 item involves the deletion of a relevant data item.

14. (**Cancelled**)

15. (**Original**) A method as defined in claim 9 wherein the data items form a list.

16. (**Original**) A method as defined in claim 9 wherein the data items form a menu.

17. (**Original**) A method as defined in claim 9 wherein the data items form a

2 combination box.

18. (**Original**) A method as defined in claim 9 further comprising:

2 defining a visual style for a group;

associating the data items with the group;

4 in response to the request to display the data items, locating the visual style for the group;

and

6 generating the visual tree based on the visual style for the group.